



Local Groundwater Assistance Grant Application Quality Assurance

ATTACHMENT 8: QUALITY ASSURANCE

Well-defined Quality Assurance and Quality Control measures will be used in each task. Quality Assurance and Quality Control measures for the project are included in the discussion below.

A qualified consultant will be used to complete the scope of work, which includes planned quality assurance checks of the technical work at various stages of the project (as outlined in Task 8 of the Work Plan). Multiple levels of QA/QC will be included throughout the preparation of the technical work products and development of the GWMP. The specific quality assurance activities include the following:

Number/percentage of Stakeholders participating in the development of the GWMP

Although it is difficult to estimate at this time, it is a goal to achieve a minimum 35% participation from stakeholders in the development of the GWMP.

QA/QC Measure

The work will be performed by a consultant who is familiar with the hydrologic and hydrogeologic setting of the Foothill and Santa Barbara Basins and knowledgeable of the groundwater management activities currently being implement and evaluated in the Basins. The technical components will be peer reviewed by qualified senior level consultant(s) who are not directly involved in the preparation of the work products.

QA/QC Measure

An independent technical review will be provided by City staff to take place at various stages of development of the GWMP. The anticipated stages include identification of groundwater issues and development of BMOs, monitoring protocols, recharge map, conjunctive use opportunities, wellhead protection, regulation of contaminated groundwater, and control of saline water intrusion.

QA/QC Measure

The interim deliverables will also be provided to the Advisory Committee prior to the scheduled project meetings to facilitate review and discussion from project participants and stakeholders.

QA/QC Measure

The City's Water Commission will also be briefed about the progress of the development of the GWMP through monthly meetings identified on the project schedule and elicit input from the Citywide water resources perspective.



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QA/QC Measure

The proposed project will be managed and overseen by a senior water resources specialist, with clear line of authority and responsibility for management of the project. The project manager will report to the City Council and will be responsible for coordination of project team staff, coordination of project activities with consultants, formal and informal communication and reporting to DWR, coordination of public outreach, and overall project quality and quantity of information obtained.

QA/QC Measure

The GWMP Development Team will meet every other month to review and discuss the status of information developed as part of the GWMP. This will provide an opportunity for all Team members to communicate and contribute to each effort of the project, resulting in high quality work products.

QA/QC Measure

Organization of the Advisory Group will ensure representation and advice of stakeholders, the community and regulatory agencies on the problems, concerns, and benefits of the Basins, as well as provide suggestions for information and programs on community outreach and education.

QA/QC Measure

GWMP Development Team members will be assigned to lead the Advisory Group so that quality information is provided to the Advisory Group in an informative manner, and which may lead them toward consensus and thoughtful submissions to the GWMP Development Team.

QA/QC Measure

Data collection from available sources will ensure that efforts for developing studies and analyses are not duplicated as well as establish information to conduct further studies.

QA/QC Measure

Analyses and studies will be conducted using reasonable methodologies and acceptable industry standards that produce high quality reports, data and information that will benefit the programs and project of the GWMP. This process will ensure that suitable studies and projects will be implemented as part of the GWMP for optimum groundwater basin management.

QA/QC Measure

Review of the Draft GWMP will include the entire GWMP Development Team, City Staff, Advisory Group, and City Water Commission, providing a broad review by all stakeholders. Sufficient time will be allowed for the review and comment throughout the process, which will result in a Final GWMP that had been publically vetted and considered all possible issues.